

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	"sealed solar cell" and "contact hole"	USPAT	OR	OFF	2006/09/21 17:31
S2	0	"sealed solar cell" and "contact portion"	USPAT	OR	OFF	2006/09/21 17:31
S3	16	"sealed solar cell"	USPAT	OR	OFF	2006/09/21 17:33
S4	112	"contact point" and "solar cell"	USPAT	OR	OFF	2006/09/21 17:34
S5	636	(136/251).CCLS.	USPAT; USOCR	OR	OFF	2006/09/22 09:23
S6	0	(135/244).CCLS.	USPAT; USOCR	OR	OFF	2006/09/25 07:13
S7	942	(136/244).CCLS.	USPAT; USOCR	OR	OFF	2006/09/25 09:16
S8	0	136/244.ccls. and "blind hole" and "after lamination"	USPAT	OR	OFF	2006/09/25 07:16
S9	0	"solar cell" and "blind hole" and "after lamination"	USPAT	OR	OFF	2006/09/25 07:17
S10	9	"solar cell" and "blind hole"	USPAT	OR	OFF	2006/09/25 08:49
S11	9	"solar cell" and "blind hole"	USPAT	AND	OFF	2006/09/25 07:28
S12	183	"solar cell fabrication"	USPAT	AND	OFF	2006/09/25 08:22
S13	4947	torres	USPAT	AND	OFF	2006/09/25 08:10
S14	19	pedro torres	USPAT	AND	OFF	2006/09/25 08:13
S15	630	torres.inv.	USPAT	AND	OFF	2006/09/25 08:13
S16	0	yorres-pedro.in.	USPAT	AND	OFF	2006/09/25 08:13
S17	2	torres-pedro.in.	USPAT	AND	OFF	2006/09/25 09:16
S18	2	fischer-diego.in.	USPAT	AND	OFF	2006/09/25 08:15
S19	0	"blind hole" and S12	USPAT	AND	OFF	2006/09/25 08:23
S20	0	"process of fabrication solar cell"	USPAT	AND	OFF	2006/09/25 08:24
S21	28	"solar cell fabrication process"	USPAT	AND	OFF	2006/09/25 08:46
S22	17	"photovoltaic" and "blind hole"	USPAT	OR	OFF	2006/09/25 08:49
S23	1	S7 and "blind hole"	USPAT	OR	OFF	2006/09/25 09:04
S24	1	S7 and "blind hole"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/25 09:05
S25	6	S7 and blind hole\$1	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/25 09:07
S26	31	("136"/\$.ccls. and (blind\$1 adj hole\$1))	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/25 09:08

## EAST Search History

S27	11	("0894216"   "2976340"   "3269875").PN. OR ("4204882").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/25 09:09
S28	5	torres-pedro.in.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/09/25 09:16
S29	295	(136/244).CCLS.	US-PGPUB	OR	OFF	2006/09/25 09:17
S30	1237	136/244.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/25 09:18
S31	295	S30 not S7	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/25 10:23
S32	12865072	S30 not S7 pd<"20021018"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/25 10:25
S33	12865072	(S30 not S7) pd<"20021018"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/25 10:26
S34	4817	"136"/\$.ccls. and (solar adj cell\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/25 10:28
S35	39	S34 and (blind\$1 and hole\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/25 11:01
S36	279	136/243	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/25 11:04
S37	1652	136/244	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 13:44
S38	5307	"136"/\$ and (hole\$1)	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 13:47
S39	63	S38 and "after lamination"	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 13:47
S40	979	Haga.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/30 09:47
S41	4590232	Haga et al.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/30 09:46
S42	1	("6133521").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/30 10:06

## EAST Search History

S43	1	("5717255").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/30 10:06
S44	1533	136/256.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/30 10:14
S45	7	S44 and ((base adj plate) with metal)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/30 10:21
S46	574	S44 and (substrate with metal)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/30 10:23
S47	445	S44 and (substrate with metal)	USPAT; USOCR	OR	OFF	2006/10/30 10:24
S48	208	S47 and hole	USPAT; USOCR	OR	ON	2006/10/30 10:24
S49	107	S44 and (metal adj (substrate or base))	USPAT; USOCR	OR	ON	2006/10/30 10:36
S50	107	S49	USPAT; USOCR	OR	ON	2006/10/30 10:25
S51	53	S49 and hole	USPAT; USOCR	OR	ON	2006/10/30 10:32
S52	6	136/257.ccls. and (metal adj (substrate or base))	USPAT; USOCR	OR	ON	2006/10/30 10:34
S53	1	("3770565").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/30 10:35
S54	1	("4754544").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/30 10:35
S55	146	S44 and (metal adj (substrate or base or plate))	USPAT; USOCR	OR	ON	2006/10/30 10:37
S56	6	S55 and (metal adj (strip or conductor))	USPAT; USOCR	OR	ON	2006/10/30 10:40
S57	0	S55 and (perforated adj hole)	USPAT; USOCR	OR	ON	2006/10/30 10:41
S58	74	S55 and hole	USPAT; USOCR	OR	ON	2006/10/30 10:41
S59	3	S58 and metal adj (strip or conductor)	USPAT; USOCR	OR	ON	2006/10/30 11:30
S60	763	"136"/\$.ccls. and (metal adj (base or substrate or plate))	USPAT; USOCR	OR	ON	2006/10/30 12:07
S61	0	S60 and (insulator adj between adj metal)	USPAT; USOCR	OR	ON	2006/10/30 11:35

## EAST Search History

S62	82128	S41 same insulat\$4	USPAT; USOCR	OR	ON	2006/10/30 12:06
S63	302	"136"/\$.ccls. and ((metal adj (base or substrate or plate)) same insulat\$4)	USPAT; USOCR	OR	ON	2006/10/30 14:05
S64	518	"136"/\$.ccls. and ((metal adj (base or substrate or plate or layer)) same insulat\$4)	USPAT; USOCR	OR	ON	2006/10/30 14:04
S65	334	"136"/\$.ccls. and ((back adj cover) or (metal adj (base or substrate or plate)) same insulat\$4)	USPAT; USOCR	OR	ON	2006/10/30 15:22
S66	4329517	Haga et al.in.	USPAT; USOCR	OR	ON	2006/10/30 15:23
S67	716	Haga.in.	USPAT; USOCR	OR	ON	2006/10/30 15:24
S68	67	Haga-Takahiro.in.	USPAT; USOCR	OR	ON	2006/10/30 16:56
S69	2	S68 and semiconductor.ti.	USPAT; USOCR	OR	ON	2006/10/30 15:32
S70	1	("5133810").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/30 15:32
S71	3752	"136"/\$ and (contact\$4 and (hole or perforate or aperture))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/31 11:23
S72	1	("6471816").PN.	USPAT; USOCR	OR	OFF	2006/11/01 16:55
S73	1	("6670541").PN.	USPAT; USOCR	OR	OFF	2006/11/02 17:26